



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H02K 15/085		A2	(11) International Publication Number: WO 97/47067
8036			(43) International Publication Date: 11 December 1997 (11.12.97)
(21) International Application Number: PCT/SE97/00905		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, ES, FI, FI (Utility model), GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 27 May 1997 (27.05.97)			
(30) Priority Data:			
9602079-7	29 May 1996 (29.05.96)	SE	
9602094-6	29 May 1996 (29.05.96)	SE	
9700356-0	3 February 1997 (03.02.97)	SE	
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(54) Title: A DEVICE IN THE STATOR OF A ROTATING ELECTRIC MACHINE AND SUCH A MACHINE

(57) Abstract

In the stator winding in a rotating electric machine the winding is situated in radial slots (111) in the stator (106). According to the invention the winding consists of a cable which forms layers at different radial distances from the air gap (108) between the rotor (107) and the stator (106). The part of the cable (101) that passes to and from once through the stator between different layers forms a coil (113) with an arc-shaped coil end protruding from each end surface (114) of the stator (106). The coils (113) are divided into coil group parts. All coils (113) in the same coil group part are arranged axially, one outside the other with substantially coinciding centres and with successively increasing diameters. The number of slots (111) that are bridged by the coils (113) successively increases within the coil group part.

